

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S6	1769	(workload\$3 same databas\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/15 18:39
S7	697	S6 and (database\$2 same object\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:29
S8	535	S7 and @ad<"20040331"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:31
S9	255	S8 and ("707"/.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:31
S10	897	S6 and (database\$2 with (object\$2 or quer\$3 or statment\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:40
S11	689	S10 and @ad<"20040331"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:31
S12	354	S11 and ("707"/.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:31
S13	307	S12 and ((set\$2 or subset\$2 or group\$3) same (object\$2 or quer\$3 or statment\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:36

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S14	271	S12 and ((set\$2 or subset\$2 or group\$3) with (object\$2 or quer\$3 or statment\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:36
S15	176	S14 and (database\$2 with (object\$2 or statment\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:41
S16	32	S15 and (workload\$3 same (schema\$3 or plan\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:58
S17	18	S15 and (workload\$3 same (schema\$3 or plan\$3) and partition\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 11:44
S18	1769	(workload\$3 same databas\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 19:45
S19	897	S18 and (database\$2 with (object\$2 or quer\$3 or statment\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 19:45
S20	689	S19 and @ad<"20040331"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:27
S21	354	S20 and ("707"/.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 19:45

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S22	271	S21 and ((set\$2 or subset\$2 or group\$3) with (object\$2 or quer\$3 or statment\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 19:46
S23	208	S22 and ((eliminat\$3 or reduc\$3 or abandon\$3 or remov\$3 or ignor\$3 or delet\$3) with (object\$2 or quer\$3 or statment\$3 or set\$2 or subset\$2 or group\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/11 19:52
S24	155	S23 and ((eliminat\$3 or abandon\$3 or remov\$3 or delet\$3) with (quer\$3 or statment\$3 or set\$2 or subset\$2 or group\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:34
S25	1	09/398616	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/15 18:39
S26	1	09/398,616	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/15 18:40
S27	4	("5404510" "5761654" "5960423" "6029163").PN. OR ("6598038"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/15 19:28
S28	34	("5404510" "5544355" "5598559" "5644763" "5778353" "5806057" "5822749" "5845274" "5924088").PN. OR ("6223171"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/15 20:30
S29	1776	(workload\$3 same databas\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/16 17:17
S30	900	S29 and (database\$2 with (object\$2 or quer\$3 or statment\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/16 17:17

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S31	689	S30 and @ad<"20040331"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/16 17:17
S32	354	S31 and ("707"/.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/16 17:23
S33	271	S32 and ((set\$2 or subset\$2 or group\$3) with (object\$2 or quer\$3 or statment\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/16 17:17
S34	208	S33 and ((eliminat\$3 or reduc\$3 or abandon\$3 or remov\$3 or ignor\$3 or delet\$3) with (object\$2 or quer\$3 or statment\$3 or set\$2 or subset\$2 or group\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/16 17:18
S35	424	S31 and ((eliminat\$3 or reduc\$3 or abandon\$3 or remov\$3 or ignor\$3 or delet\$3 or prefer\$4) with (object\$2 or quer\$3 or statment\$3 or set\$2 or subset\$2 or group\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/16 18:39
S36	251	S35 and ("707"/.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/16 17:23
S37	89	S36 and (object\$2 with (quer\$3 or statment\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:21
S38	713	database and chaudhuri	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:30


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S39	469	S38 and (quer\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:24
S40	102	S38 and (quer\$3 and workload\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:24
S41	72	S40 and (statement\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:26
S42	62	S41 and @ad<"20040331"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:27
S43	35	S42 and (chaudhuri.in.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:31
S44	35	S43 and (eliminat\$3 or abandon\$3 or remov\$3 or delet\$3 or ignor\$3 or prefer\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:36
S45	30	S43 and (eliminat\$3 or abandon\$3 or remov\$3 or ignor\$3 or prefer\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2006/10/17 14:37

Terms used [Index selection](#)

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1 [Index structures for selective dissemination of information under the Boolean model](#)



Tak W. Yan, Héctor García-Molina

June 1994 **ACM Transactions on Database Systems (TODS)**, Volume 19 Issue 2

Publisher: ACM Press

Full text available:  pdf(2.03 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


The number, size, and user population of bibliographic and full-text document databases are rapidly growing. With a high document arrival rate, it becomes essential for users of such databases to have access to the very latest documents; yet the high document arrival rate also makes it difficult for users to keep themselves updated. It is desirable to allow users to submit profiles, i.e., queries that are constantly evaluated, so that they will be automatically informed of new additions tha ...

2 [Data Warehouse: Index filtering and view materialization in ROLAP environment](#)



Shi Guang Qiu, Tok Wang Ling

October 2001 **Proceedings of the tenth international conference on Information and knowledge management**
Publisher: ACM Press

Full text available:  pdf(1.17 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Using materialized view to accelerate OLAP queries is one of the most common methods used in ROLAP systems. However, high storage and computation cost make this method very difficult to be implemented in the actual environment. Among various issues associated with this, index selection and view materialization are two of the top challenges. In this paper, we propose to build indexes on subsets of the primary keys rather than the full sets if the index selectivity for these smaller indexes can be ...

3 [Complex object retrieval via structural join index hierarchy mechanisms: evaluation and selection approaches](#)



Chi-wai Fung, Kamalakar Karlapalem, Qing Li

November 2000 **Proceedings of the ninth international conference on Information and knowledge management**
Publisher: ACM Press

Full text available:  pdf(130.33 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: complex object retrieval, hill-climbing heuristic algorithm, object oriented databases, structural join index hierarchy

4

[Session I - performance and physical design issues: Index selection in a self-adaptive data base management system](#)



Michael Hammer, Arvola Chan

June 1976 **Proceedings of the 1976 ACM SIGMOD international conference on Management of data**

Publisher: ACM Press

Full text available: pdf(929.52 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We address the problem of automatically adjusting the physical organization of a data base to optimize its performance as its access requirements change. We describe the principles of the automatic index selection facility of a prototype self-adaptive data base management system that is currently under development. The importance of accurate usage model acquisition and data characteristics estimation is stressed. The statistics gathering mechanisms that are being incorporated into our prototype ...

5 Index configuration in object-oriented databases

Elisa Bertino

July 1994 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 3 Issue 3

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(2.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In relational databases, an attribute of a relation can have only a single primitive value, making it cumbersome to model complex objects. The object-oriented paradigm removes this difficulty by introducing the notion of nested objects, which allows the value of an object attribute to be another object or a set of other objects. This means that a class consists of a set of attributes, and the values of the attributes are objects that belong to other classes; that is, the definition of a class fo ...

Keywords: index selection, physical database design, query optimization

6 Basic level interaction techniques: Modeling and improving selection in cascading pull-down menus using Fitts' law, the steering law and force fields



David Ahlström

April 2005 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press

Full text available: pdf(412.82 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Selecting a menu item in a cascading pull-down menu is a frequent but time consuming and complex GUI task. This paper describes an approach aimed to support the user during selection in cascading pull-down menus when using an indirect pointing device. By enhancing such a cascading pull-down menu with "force fields", the cursor is attracted toward a certain direction, e.g. toward the right hand side within a menu item, which opens up a sub-menu, making the cursor steering task easier and faster. ...

Keywords: Fitts' law, cascading pull-down menus, force fields, input devices, menu navigation, selection, steering law

7 On efficient storage space distribution among materialized views and indices in data warehousing environments



Ladjel Bellatreche, Kamalakara Karlapalem, Michel Schneider

November 2000 **Proceedings of the ninth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(217.74 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: data warehouses, index selection problem, physical data warehouse design, query processing, storage constraint, view selection problem

8 Top-k selection queries over relational databases: Mapping strategies and